SYSTEM AND METHOD FOR COMBINING REQUESTS FOR DATA BANDWIDTH BY A DATA PROVIDER FOR TRANSMISSION OF DATA OVER AN ASYNCHRONOUS COMMUNICATION MEDIUM

ABSTRACT OF THE DISCLOSURE

A method and system for combing requests for data bandwidth by a data provider for transmission of data over an asynchronous communication medium is provided. A headend receives one or more bandwidths requests from one or more cable modems via upstream communication. A scheduler then combines one or more bandwidths requests from the same cable modem to create a single data burst bandwidth. The headend then grants the data burst bandwidth to the appropriate cable modem via downstream communication.

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